

SCANNERS

## X-Ray Baggage Scanner

Checkpoint-grade baggage screening system with advanced image analysis and operator workflow tools.

[X-Ray Baggage Scanner](#)

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### SOLUTION SNAPSHOT

TUNNEL SIZE <b>650 x 500 mm (W x H)</b>	CONVEYOR SPEED <b>0.22 m/s (adjustable)</b>	PENETRATION STEEL <b>34 mm</b>
RESOLUTION <b>0.1 mm wire gauge</b>	X-RAY LEAKAGE <b>&lt; 1 µGy/h at 5 cm</b>	

## Built for Real Operations

01

Checkpoint-grade baggage screening system with advanced image analysis and operator workflow tools.

## APPLICATIONS

## Where This Product Fits

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### Airport & Transport Security

Provides checkpoint-grade screening for carry-on and checked baggage, meeting ECAC and TSA image quality standards.

### Government & Critical Infrastructure

Secures entry points at courts, embassies, and data centres where prohibited item detection is mandatory.

### Event & Stadium Security

Handles high-throughput crowd screening at stadiums, concert halls, and major public events without creating bottlenecks.

## SPECIFICATION

## Technical Details

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<b>Tunnel Size</b>	650 × 500 mm (W × H)
<b>Conveyor Speed</b>	0.22 m/s (adjustable)
<b>Penetration Steel</b>	34 mm
<b>Resolution</b>	0.1 mm wire gauge
<b>X-Ray Leakage</b>	< 1 µGy/h at 5 cm
<b>Generator Voltage</b>	160 kV dual energy
<b>Throughput</b>	Up to 1,200 bags/hour
<b>Image Storage</b>	1,000,000 images on-board
<b>Power Supply</b>	220 V AC / 50 Hz
<b>Warranty</b>	3 years hardware

## Case Studies & Client Feedback

"Detection accuracy improved by 40% after switching to this system. The AI-assist feature genuinely reduces operator fatigue during peak hours."

**Col. (Retd.) Aminu Bello**

Head of Security, International Airport Authority

## RESOURCES

## Media & Questions

### Q. Is the system radiation-safe for operators?

A. Yes. X-ray leakage is below 1  $\mu\text{Gy/h}$  at 5 cm from the cabinet surface, well within IAEA and IEC 60950 safety limits. Automatic X-ray cut-off activates when the tunnel is clear.

### Q. What training is required for operators?

A. We provide a structured 2-day certification course covering image interpretation, threat recognition, and system maintenance.

### Q. Can images be reviewed remotely?

A. Yes. The optional remote-screening module allows authorised operators to review flagged images from a central workstation in real time.

## Ready to deploy X-Ray Baggage Scanner?

Talk to Nirikhon for product consultation, installation planning, integration support, and enterprise deployment.

**Hotline: 01712345678 | Website: [www.nirikhon.com](http://www.nirikhon.com)**